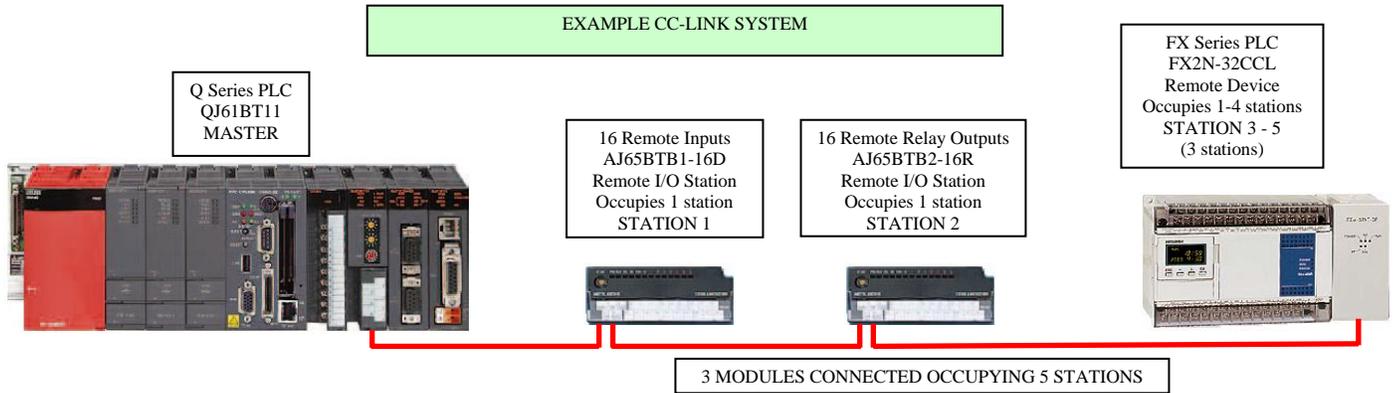
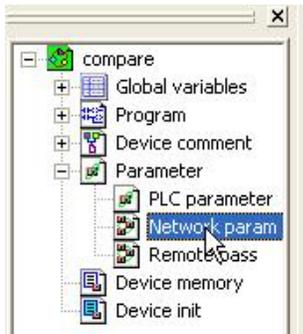


CC Link Setup

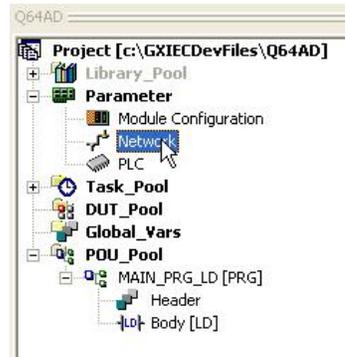


Setting Network Parameters

Double click on the Network parameters in the project data list.

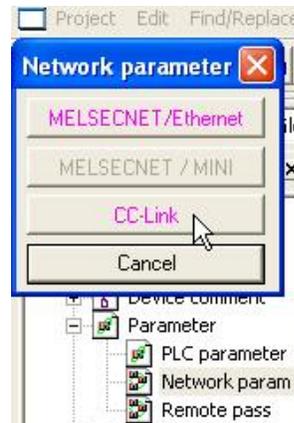


GX Developer

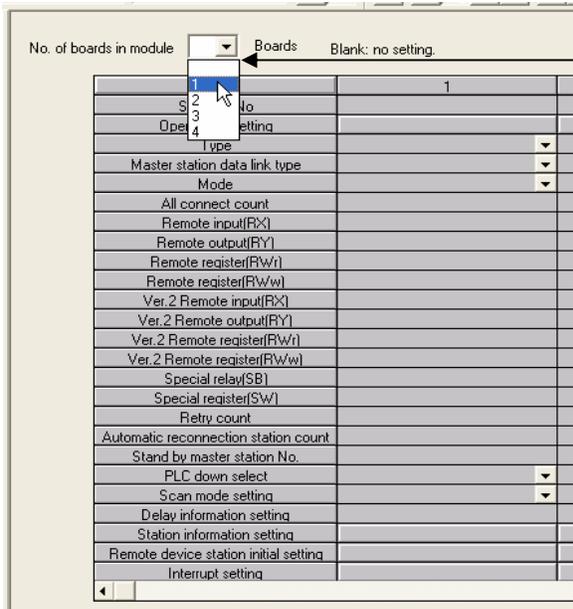


GX IEC Developer

Then select the CC Link Option.

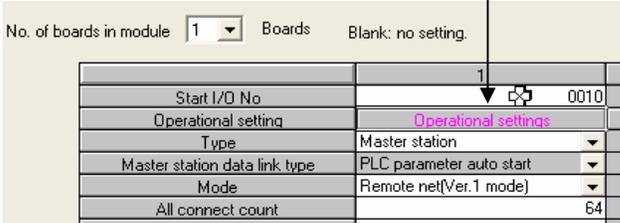
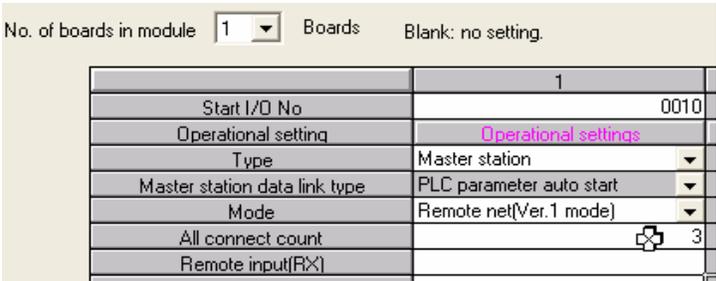


This will open the CC Link parameter setting page.



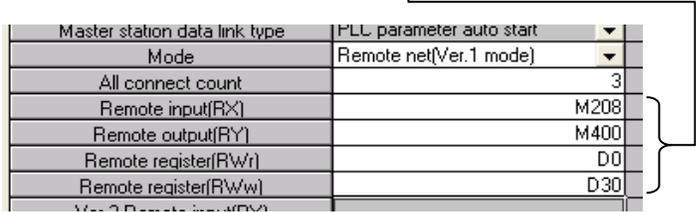
Select the number of boards (QJ61BT11) in the rack by clicking the drop down box.

Enter the head address of the module in the Start I/O No. box.

Enter the no. of modules which are connected to the master i.e. hardware units such as remote I/O blocks, inverters, plc's etc. In this example 2X remote i/o and 1 PLC = 3 modules

The next step is to enter the devices into which the data will be passed to and from the network



X inputs and Y outputs can be used providing they are not being used by the hardware configuration. Bit devices M & B can be used. 16 bit devices can be used D, W but not file registers.

In the example;

M208 is the start address of the bits which are being used being used to read the inputs from the network.

M400 is the start address of the bits which are being used being used to write the outputs to the network.

D0 is the start address of the registers which read data from the network.

D30 is the start address of the registers which write data to the network.

N.B. Each station is allocated 32 bits and 4 registers for read and 32 bits and 4 registers for writing although some modules can only use some of these! E.g. 16 inputs module only uses 16 bits to write to the PLC.

Ver.2 Remote register(RWw)	
Special relay(SB)	
Special register(S'w)	
Retry count	3
Automatic reconnection station count	1
Stand by master station No.	
PLC down select	Stop
Scan mode setting	Asynchronous
Delay information setting	0
Station information setting	Station information
Remote device station initial setting	Initial settings
Interrupt setting	Interrupt settings

Select the Station Information

Remote register(RWw)	D30
Ver.2 Remote input(R'X)	
Ver.2 Remote output(R'Y)	

CC-Link station information. Module 1

Station No.	Station type	Expanded cyclic setting	Exclusive station count	Remote station points	Reserve/invalid station select	Intelligent buffer select(word)		
						Send	Receive	Automatic
1/ 1	Remote I/O station	single	Exclusive station 1	32 points	No setting			
2/ 2	Remote I/O station	single	Exclusive station 1	32 points	No setting			
3/ 3	Remote I/O station	single	Exclusive station 1	32 points	No setting			

Default Check End Cancel

Select the Station Type

Station No.	Station type	Expanded cyclic setting
1/1	Remote I/O station	single
2/2	Remote I/O station	single
3/3	Remote device station	single

No setting
Remote I/O station
Remote device station
Intelligent device station

The station type is selected from the drop down list. In the example stations 1 & 2 are both remote I/O modules occupying 1 station address. Station 3 is a remote device station which can occupy up to 4 station addresses; in this case it is set to 3 by setting the exclusive station count to 3.

Station No.	Station type	Expanded cyclic setting	Exclusive station count	Remote station points	Reserve/invalid station select	Intelligent buffer select(word)		
						Send	Receive	Automatic
1/1	Remote I/O station	single	Exclusive station 1	32 points	No setting			
2/2	Remote I/O station	single	Exclusive station 1	32 points	No setting			
3/3	Remote device station	single	Exclusive station 3	96 points	No setting			

No setting
Exclusive station 1
Exclusive station 2
Exclusive station 3
Exclusive station 4

Default Check End Cancel

Once the station has been set click on the **End** button and this will return to the main CC Link setup screen, click the **End** button again and the screen will close, the setup is complete.

No. of boards in module: Boards Blank: no setting.

	1	2	3	4
Start I/O No.	0010			
Operational setting	Operational settings			
Type	Master station			
Master station data link type	PLC parameter auto start			
Mode	Remote net(Ver.1 mode)			
All connect count	3			
Remote input(RX)	M208			
Remote output(RY)	M400			
Remote register(RW/r)	D0			
Remote register(RW/w)	D30			
Ver.2 Remote input(RX)				
Ver.2 Remote output(RY)				
Ver.2 Remote register(RW/r)				
Ver.2 Remote register(RW/w)				
Special relay(SB)				
Special register(SW)				
Retry count	3			
Automatic reconnection station count	1			
Stand by master station No.				
PLC down select	Stop			
Scan mode setting	Asynchronous			
Delay information setting	0			
Station information setting	Station information			
Remote device station initial setting	Initial settings			
Interrupt setting	Interrupt settings			

Indispensable settings(No setting / Already set) Set if it is needed(No setting / Already set)

Setting item:

Acknowledge XY assignment Clear Check End Cancel

Keeping track of the input and output data

It is useful to keep a record of which bits and words are going where on the network. Using a spreadsheet is one method which can be updated easily as the project changes.

An Excel spreadsheet for the above example is included in the CCLinksetup zip file along with a blank spreadsheet set up for 5 stations which you can use for your own project.

CCLinksetup.zip contents:-

CCLink setup.pdf How to set up CC Link using parameters.

CCLink Sample.xls An example spreadsheet relating to the example in this document.

CCLink Blank.xls An empty spreadsheet configured for CC Link stations.